



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/660,893  
Source: IFW9  
Date Processed by STIC: 7/1/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

**TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:**

**<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebs/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box-1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04):  
U.S. Patent and Trademark Office, 220 20<sup>th</sup> Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

## Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: <u>10/660,893</u>
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 <u>    </u> Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 <u>    </u> Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 <u>    </u> Misaligned Amino Numbering	The numbering under each 5 <sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 <u>    </u> Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 <u>    </u> Variable Length	Sequence(s) <u>        </u> contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 <u>    </u> PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) <u>        </u> . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 <u>    </u> Skipped Sequences (OLD RULES)	Sequence(s) <u>        </u> missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO: X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION: SEQ ID NO: X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped  Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 <u>    </u> Skipped Sequences (NEW RULES)	Sequence(s) <u>        </u> missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 <u>    </u> Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 <u>    </u> Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence	
11 <u>    </u> Use of <220>	Sequence(s) <u>        </u> missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 <u>    </u> PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 <u>    </u> Misuse of n/Xaa	"n" can only represent a single <u>nucleotide</u> ; "Xaa" can only represent a single <u>amino acid</u>	



IFWO

## RAW SEQUENCE LISTING

DATE: 07/01/2004

PATENT APPLICATION: US/10/660,893

TIME: 13:09:23

Input Set : A:\New Link, 0003.ST25.txt

Output Set: N:\CRF4\07012004\J660893.raw

3 <110> APPLICANT: Link, Charles  
 5 <120> TITLE OF INVENTION: Methods and Compositions for Elucidating Protein Expression  
 6 Profiles in Cells  
 8 <130> FILE REFERENCE: 05237.0003.CPUS00  
 10 <140> CURRENT APPLICATION NUMBER: US 10/660,893  
 11 <141> CURRENT FILING DATE: 2003-09-12  
 13 <160> NUMBER OF SEQ ID NOS: 5  
 15 <170> SOFTWARE: PatentIn version 3.2  
 17 <210> SEQ ID NO: 1  
 18 <211> LENGTH: 9  
 19 <212> TYPE: PRT  
 20 <213> ORGANISM: Synthetic  
 22 <400> SEQUENCE: 1  
 24 Tyr Pro Tyr Asp Val Pro Asp Tyr Ala  
 25 1 5  
 28 <210> SEQ ID NO: 2  
 29 <211> LENGTH: 10  
 30 <212> TYPE: PRT  
 31 <213> ORGANISM: Synthetic  
 33 <400> SEQUENCE: 2  
 35 Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu  
 36 1 5 10  
 39 <210> SEQ ID NO: 3  
 40 <211> LENGTH: 8  
 41 <212> TYPE: PRT  
 42 <213> ORGANISM: Synthetic  
 44 <400> SEQUENCE: 3  
 46 Asp Tyr Lys Asp Asp Asp Asp Lys  
 47 1 5  
 50 <210> SEQ ID NO: 4  
 51 <211> LENGTH: 375  
 52 <212> TYPE: DNA  
 53 <213> ORGANISM: Synthetic  
 56 <220> FEATURE:  
 57 <221> NAME/KEY: misc\_feature  
 58 <222> LOCATION: (3)..(4)  
 59 <223> OTHER INFORMATION: n is a, c, g, or t  
 61 <220> FEATURE:  
 62 <221> NAME/KEY: misc\_feature  
 63 <222> LOCATION: (8)..(8)  
 64 <223> OTHER INFORMATION: n is a, c, g, or t  
 66 <220> FEATURE:  
 67 <221> NAME/KEY: misc\_feature

*invalid <213> response. see item 10 on Error Summary sheet.*  
 Does Not Comply  
 Corrected Diskette Needed

pp 1-2

same error

## RAW SEQUENCE LISTING

DATE: 07/01/2004

PATENT APPLICATION: US/10/660,893

TIME: 13:09:23

Input Set : A:\New Link, 0003.ST25.txt

Output Set : N:\CRF4\07012004\J660893.raw

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68 <222> LOCATION: (350)..(350)
69 <223> OTHER INFORMATION: n is a, c, g, or t
71 <220> FEATURE:
72 <221> NAME/KEY: misc_feature
73 <222> LOCATION: (358)..(374)
74 <223> OTHER INFORMATION: n is a, c, g, or t
76 <400> SEQUENCE: 4
W--> 77 ttnnccgnga aagctcctcg cccttgctca ccatgggatg ccatttccta ggtctgecte 60
79 ttggccggtt ttctccaatg gtctctgctt tcttctgggc tgetttagag gggctcttgt 120
81 ttttgctgcc tttgggtctt cctctggggtc tcttaggaga ggggtcacag gttggctctt 180
83 gctgctgctt cctgggtcgg ccgcgtcctc gcttctgtgg caccggggcg gcaggttgtc 240
85 cctgggctga tctggacggc tgcccggcgc cctcacgcgc tgcgtcctc ctgcctcccg 300
W--> 87 ccgcgcctac cagtgcctct cttttttttt tttttttttt tttttgaaan ccccgggnnn 360
W--> 89 nnnnnnnnnn nnnnc 375
92 <210> SEQ ID NO: 5
93 <211> LENGTH: 333
94 <212> TYPE: DNA
95 <213> ORGANISM: Synthetic
98 <220> FEATURE:
99 <221> NAME/KEY: misc_feature
100 <222> LOCATION: (3)..(3)
101 <223> OTHER INFORMATION: n is a, c, g, or t
103 <220> FEATURE:
104 <221> NAME/KEY: misc_feature
105 <222> LOCATION: (11)..(11)
106 <223> OTHER INFORMATION: n is a, c, g, or t
108 <220> FEATURE:
109 <221> NAME/KEY: misc_feature
110 <222> LOCATION: (106)..(106)
111 <223> OTHER INFORMATION: n is a, c, g, or t
113 <220> FEATURE:
114 <221> NAME/KEY: misc_feature
115 <222> LOCATION: (116)..(116)
116 <223> OTHER INFORMATION: n is a, c, g, or t
118 <220> FEATURE:
119 <221> NAME/KEY: misc_feature
120 <222> LOCATION: (168)..(168)
121 <223> OTHER INFORMATION: n is a, c, g, or t
123 <220> FEATURE:
124 <221> NAME/KEY: misc_feature
125 <222> LOCATION: (179)..(179)
126 <223> OTHER INFORMATION: n is a, c, g, or t
128 <220> FEATURE:
129 <221> NAME/KEY: misc_feature
130 <222> LOCATION: (204)..(204)
131 <223> OTHER INFORMATION: n is a, c, g, or t
133 <220> FEATURE:
134 <221> NAME/KEY: misc_feature
135 <222> LOCATION: (221)..(221)

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/660,893

DATE: 07/01/2004

TIME: 13:09:23

Input Set : A:\New Link, 0003.ST25.txt

Output Set: N:\CRF4\07012004\J660893.raw

136 <223> OTHER INFORMATION: n is a, c, g, or t  
138 <220> FEATURE:  
139 <221> NAME/KEY: misc\_feature  
140 <222> LOCATION: (224)..(224) ✓  
141 <223> OTHER INFORMATION: n is a, c, g, or t  
143 <220> FEATURE:  
144 <221> NAME/KEY: misc\_feature  
145 <222> LOCATION: (231)..(231) ✓  
146 <223> OTHER INFORMATION: n is a, c, g, or t  
148 <220> FEATURE:  
149 <221> NAME/KEY: misc\_feature ✓  
150 <222> LOCATION: (254)..(254)  
151 <223> OTHER INFORMATION: n is a, c, g, or t  
153 <220> FEATURE:  
154 <221> NAME/KEY: misc\_feature  
155 <222> LOCATION: (272)..(272) ✓  
156 <223> OTHER INFORMATION: n is a, c, g, or t  
158 <220> FEATURE:  
159 <221> NAME/KEY: misc\_feature  
160 <222> LOCATION: (275)..(275) ✓  
161 <223> OTHER INFORMATION: n is a, c, g, or t  
163 <220> FEATURE:  
164 <221> NAME/KEY: misc\_feature  
165 <222> LOCATION: (282)..(282) ✓  
166 <223> OTHER INFORMATION: n is a, c, g, or t  
168 <220> FEATURE:  
169 <221> NAME/KEY: misc\_feature  
170 <222> LOCATION: (285)..(286) ✓  
171 <223> OTHER INFORMATION: n is a, c, g, or t  
173 <220> FEATURE:  
174 <221> NAME/KEY: misc\_feature  
175 <222> LOCATION: (289)..(289) ✓  
176 <223> OTHER INFORMATION: n is a, c, g, or t  
178 <220> FEATURE:  
179 <221> NAME/KEY: misc\_feature ✓  
180 <222> LOCATION: (292)..(293)  
181 <223> OTHER INFORMATION: n is a, c, g, or t  
183 <220> FEATURE:  
184 <221> NAME/KEY: misc\_feature ✓  
185 <222> LOCATION: (296)..(296)  
186 <223> OTHER INFORMATION: n is a, c, g, or t  
188 <220> FEATURE:  
189 <221> NAME/KEY: misc\_feature ✓  
190 <222> LOCATION: (299)..(299)  
191 <223> OTHER INFORMATION: n is a, c, g, or t  
193 <220> FEATURE:  
194 <221> NAME/KEY: misc\_feature ✓  
195 <222> LOCATION: (301)..(301)  
196 <223> OTHER INFORMATION: n is a, c, g, or t

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/660,893

DATE: 07/01/2004

TIME: 13:09:23

Input Set : A:\New Link, 0003.ST25.txt

Output Set: N:\CRF4\07012004\J660893.raw

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198 <220> FEATURE:
199 <221> NAME/KEY: misc_feature
200 <222> LOCATION: (304)..(304)
201 <223> OTHER INFORMATION: n is a, c, g, or t
203 <220> FEATURE:
204 <221> NAME/KEY: misc_feature
205 <222> LOCATION: (306)..(308)
206 <223> OTHER INFORMATION: n is a, c, g, or t
208 <220> FEATURE:
209 <221> NAME/KEY: misc_feature
210 <222> LOCATION: (311)..(311)
211 <223> OTHER INFORMATION: n is a, c, g, or t
213 <220> FEATURE:
214 <221> NAME/KEY: misc_feature
215 <222> LOCATION: (326)..(327)
216 <223> OTHER INFORMATION: n is a, c, g, or t
218 <220> FEATURE:
219 <221> NAME/KEY: misc_feature
220 <222> LOCATION: (329)..(329)
221 <223> OTHER INFORMATION: n is a, c, g, or t
223 <220> FEATURE:
224 <221> NAME/KEY: misc_feature
225 <222> LOCATION: (331)..(331)
226 <223> OTHER INFORMATION: n is a, c, g, or t
228 <220> FEATURE:
229 <221> NAME/KEY: misc_feature
230 <222> LOCATION: (333)..(333)
231 <223> OTHER INFORMATION: n is a, c, g, or t
233 <400> SEQUENCE: 5
W--> 234 tcngcgacca nctcctcgcc cttgctcacc atgggatgct cccggtggtg ggtcggtggt 60
W--> 236 ccctgggcag ggggtctccaa atcccggacg agcccccaaa tgaaanaccc ccgtcntggg 120
W--> 238 tagtcaatca ctcagaggag accctcccaa ggaacagcga gaccactntt cggatgcana 180
W--> 240 cagcaagagg ctttattggg aatnccggta cccgggcgac ncantctatc ngaagactgg 240
W--> 242 cgttattttt tttntttttt ttttttgaat tnccngggac anccnnctna gnntanctnc 300
W--> 244 nctntnnnct nccctcctta cttctnntnt ntn 333

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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/660,893

DATE: 07/01/2004  
TIME: 13:09:24

Input Set : A:\New Link, 0003.ST25.txt  
Output Set: N:\CRF4\07012004\J660893.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:4; N Pos. ~~3,4,8,350,358,359,360,361,362,363,364,365,366,367,368,369~~

Seq#:4; N Pos. ~~370,371,372,373,374~~

Seq#:5; N Pos. ~~8,11,106,116,168,179,204,221,224,231,254,272,275,282,285,286~~

Seq#:5; N Pos. ~~289,292,293,296,299,301,304,306,307,308,311,326,327,329,331~~

Seq#:5; N Pos. 383

## VERIFICATION SUMMARY

DATE: 07/01/2004

PATENT APPLICATION: US/10/660,893

TIME: 13:09:24

Input Set : A:\New Link, 0003.ST25.txt

Output Set: N:\CRF4\07012004\J660893.raw

L:77 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0  
L:87 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:300  
L:89 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:360  
L:234 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0  
L:236 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:60  
L:238 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:120  
L:240 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:180  
L:242 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:240  
L:244 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:300